

INFORMATION DISCLOSURE STATEMENT	Atty Docket No: P7835.11	Serial No.: 10/824.011
	Applicant(s): Soykan, et al.	
	Filing Date: 14-Apr-04	Group:

US PATENT DOCUMENTS

Examiner Initial	+/*	Document Number	Date	Name of Patentee or Applicant of Cited Document	Class	SubClass	Filing Date If Appropriate
	+	US 4,256,115A	17-Mar-81	Bilitch			
		US 4,379,459	12-Apr-83	Stein			
		US 4,411,268	25-Oct-83	Cox			
		US 4,476,868	16-Oct-84	Thompson			
		US 4,556,063	03-Dec-85	Thompson, et al.			
	+	US 4,791,911	20-Dec-88	Magovern			
		US 4,821,723	18-Apr-89	Baker, et al.			
		US 5,030,204	09-Jul-91	Badger, et al.			
		US 5,060,660	29-Oct-91	Gambale, et al.			
		US 5,069,680	03-Dec-91	Grandjean			
		US 5,104,393	14-Apr-92	Isner, et al.			
		US 5,131,388	21-Jul-92	Pless			
		US 5,144,949	08-Sep-92	Olson			
		US 5,158,078	27-Oct-92	Bennett, et al.			
		US 5,205,810	27-Apr-93	Guiraudon, et al.			
		US 5,207,218	04-May-93	Carpentier, et al.			
		US 5,306,293A	26-Apr-94	Zacouto			
		US 5,312,453	17-May-94	Shelton, et al.			
		US 5,314,430	24-May-94	Bardy			
		US 5,354,316	11-Oct-94	Keimel			
		US 5,510,077	23-Apr-96	Dinh, et al.			
		US 5,545,186	13-Aug-96	Olson, et al.			
	+	US 5,632,716A	27-May-97	Bui, et al.			
		US 5,658,237	19-Aug-97	Francishelli			
		US 5,697,884	16-Dec-97	Francishelli, et al.			
		US 6,151,525A	21-Nov-00	Sokyan, et al.			

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FOREIGN PATENT DOCUMENTS

Examiner Initial	+/*	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
	+	EP0 487429A1	27-May-92	Zacouto			
		EP0 487429B1	27-May-92	Zacouto			
	+	EP0 547733A2	23-Jun-93	Collins			
		EP0 547733B1	23-Jun-93	Collins			
	+	EP0 627237A1	07-Dec-94	Trabucco, et al.			
		WO 02/20088A	14-Mar-02	Donovan, et al.			
		WO 93/04724	18-Mar-93	Rissman			
	+	WO 94/11506	26-May-94	Leiden, et al.			
	+	WO 94/21237A	29-Sep-94	Levy, et al.			
		WO 95/05781	02-Mar-95	Muller, et al.			
		WO 97/09088	13-Mar-97	Elsberry, et al.			
		WO 99/66036	23-Dec-99	Mickle			

OTHER DOCUMENTS (Including Authors, title, Date, Pertinent Papers, etc.)

Examiner Initial	+/*	Document Cite
		Acsadi, et al., Direct Gene Transfer and Expression into Rat Heart In-Vivo, The New Biologist, 3(1):71-81, 1991.
		Bansal, et al., Calcium-Regulated Secretion of Tissue Plasminogen Activator and Parathyroid Hormone from Human Parathyroid Cells, J. of Clinical Endocrinology and Metabolism, 74(2), 1992.
		Barr, et al., Efficient Catheter-Mediated Gene Transfer into the Heart using Replication-Defective Adenovirus, Gene Therapy, 1(1):51-58, 1994.
		Blaese, et al., T Lymphocyte-Directed Gene Therapy for ADA SCID: Initial Trial Results After 4-Years, Science, 270, 1995.
		Bordignon, et al., Gene Therapy in Peripheral Blood Lymphocytes and Bone Marrow for ADA Immunodeficient Patients, Science, 270, 1995.
		Bouaziz, et al., Vascular Endothelial Cell Responses to Different Electrically Charged Poly (Vinylidene Fluoride) Supports Under Static and Oscillating Flow Conditions, Biomaterials, 1996 Elsevier Science Ltd. Great Britain, 18:107-112, 1997.

EXAMINER	Date Considered
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Patent and Trademark Office, U.S. Department of Commerce

(Also form PTO-1449)

		Bouaziz, et al., Effect of Constant and Modulated Electrical Charges Applied to the Culture Material on PG12 and TXA2 Secretion by Endothelial Cells, Biomaterials 16(9), 1995.
		Bugliardini, et al., Relation of Severity of Symptoms to Transient Myocardial Ischemia and Prognosis in Unstable Angina, American College of Cardiology, JAAC 25(3):597-604, 1995.
		Chiu, et al., Cellular Cardiomyoplasty: Myocardial Regeneration with Satellite Cell Implantation, Ann. Thoracic Surgery, 60:12-18, 1995.
		Chowdhury, Long-Term Improvement of Hypercholesterolemia After Ex Vivo Gene Therapy in LDLR-Deficient Rabbits, Science, 254, 1991.
		Dichek, et al., Enhanced In-Vivo Antithrombotic Effects of Endothelial Cells Expressing Recombinant Plasminogen Activators Transduced with Retroviral Vectors, Basic Science Reports, AHA, Inc., 1996.
		Dunn, et al., Seeding of Vascular Grafts with Genetically Modified Endothelial Cells, Secretion of Redominant TPA Results in Decreased Seeded Cell Retention In-Vitro and In-Vivo, Basic Science Reports, AHA, Inc., 1990.
		Ekhterae, et al., Retroviral Vector-Mediated Transfer and Expression of Human Tissue Plasminogen Activator Gene in Human Endothelial and Vascular Smooth Muscle Cells, Jobs Research Laboratories, Dept. of Surgery and the Univ of Michigan, Ann arbor, The Society for Vascular Surgery and International Society for Cardiovascular Surgery, North American Chapter, 1995.
		Fletcher, et al., Acute Myocardial Infarction, Pathophysiology of Heart Disease, Chap. 7:113-129.
		French, et al., Direct In-Vivo Gene Transfer into Porcine Myocardium Using Replication-Deficient Adenoviral Vectors, Circulation, 90:2414-2424, 1994.
		Gal, et al., Direct Myocardial Transfection in two Animal Models, Laboratory Investigation., 68(1):18-25, 1993.
		Gillis, et al., Secretion of Prostacyclin, Tissue Plasminogen Activator and its Inhibitor by Cultured Adult Human Endothelial Cells Grown on Different Matrices, W.B. Saunders Company, Ltd., 1996.
		Grossman, et al., Successful Ex Vivo Gene Therapy Directed to Liver in a Patient with Familial Hypercholesterolaemia, Nature Genetics, 6, 1994.
		Innis, et al., Key Concepts for PCR, edds. PCR Strategies, Academic Press, New York, 1995.
		Johns, et al., Adrenovirus-Mediated Expression of a Voltage-Gated Potassium Channel In-Vitro (Rat Cardiac Myocytes) and In-Vivo (Rat Liver), Journal of Clinical Investigation., 96:1152-1158, 1995.
		Kao, et al., Cellular Cardiomyoplasty: Myocardial Repair with Cell Implantation, Landes Bioscience, Chap. 5 & 8, 1997.
		Klug, et al., DNA Synthesis and Multinucleation in Embryonic Stem Cell-Derived Cardiomyocytes, American Journal of Physiology, 269(6):1913-1921, part 2 of 3 parts.
		Koh, et al., Stable Fetal Cardiomyocyte Grafts in the Hearts of Dystrophic Mice and Dogs, Journal of Clinical Investigation, 96:2034-2042, 1995.

EXAMINER	Date Considered
-----------------	------------------------

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Based on Form PTO-FB-A820
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce

		Kohn, et al., Engraftment of Gene-Modified Umbilical Cord Blood Cells in Neonates with Adenosine Deaminase Deficiency, <i>Nature Medicine</i> , 10, 1995.
		Leor, et al., Adenovirus-Mediated Gene Transfer into Infarcted Myocardium: Feasibility, Timing, and Location of Expression, <i>J. of Molecular and Cellular Cardiology</i> , 28(10):2057-2067, 1996.
		Levin, et al., Protein Kinase C and the Stimulation of Tissue Plasminogen Activator Release from Human Endothelial Cells, <i>J. of Biological Chemistry by the American Society for Biochemistry and Molecular Biology, Inc.</i> , 264(27):16030-16036, 1989.
		Li, et al., Cardiomyocyte Transplantation Improves Heart Function, <i>Annals of Thoracic Surgery</i> , 60:654-661, 1996.
		Mesri, et al., Expression of Vascular Endothelial Growth Factor from a Defective Herpes Simplex Virus Type 1 Amplicon Vector Induces angiogenesis in mice, <i>Circulation Research</i> , 76:161-167, 1995.
		Meyle, et al., Fibroblast Anchorage to Microtextured Surfaces, <i>J. of Biomedical Materials Research</i> , 27:1553-1557, 1993.
		Murry, et al., Muscle Differentiation During Repair of Myocardial Necrosis in Rats via Gene Transfer with MyoD, <i>J. Clin. Invest.</i> , 98:2209-2217, 1996.
		Murry, et al., Skeletal Myoblast Transplantation for Repair of Myocardial Necrosis, <i>J. Clin. Invest.</i> 98:2512-2523, 1996.
		Nabel, Recombinant Gene Expression In Vivo within Endothelial Cells of the Arterial Wall, <i>Science</i> , 244, 1989.
		Nilius, et al., Activation of a Cl-Current by Hypotonic Volume Increase in Human Endothelial Cells, <i>The Rockefeller University Press</i> , 103:787-805, 1994.
		Olson, Remington: the Science and Practice of Pharmacy (Table of Contents), Remington's Pharmaceutical Sciences, (standard reference text) Vol. II.
		Parmacek, et al., The Structure and Regulation of Expression of the Murine Fast Skeletal Troponin C Gene, <i>J. Biological Chemistry</i> , 265(26):15970-15976, 1990.
		Parmacek, et al., Identification and Characterization of a Cardiac-Specific Transcriptional Regulatory Element in the Slow/Cardiac Troponin C Gene, <i>Molecular and Cellular Biology</i> , 12(5):1967-1976, 1992.
		Pashos, et al., Temporal Changes in the Care and Outcome of Elderly Patients with AMI, <i>JAMA</i> , 270:1832, 1993.
		Robinson, et al., Arterial Delivery of Genetically Labelled Skeletal Myoblasts to the Murine Heart: Long-Term Survival and Phenotypic Modification of Implanted Myoblasts, <i>Cell Transplantation</i> , 5:77-91, 1996.
		Robinson, et al., Implantation of Skeletal Myoblast-Derived Cells, <i>Cellular Cardiomyoplasty: Myocardial Repair With Cell Implantation</i> , Eds., Chap. 5:81-107.
		Ryan, et al., ACC/AHA Guidelines for the Management of Patients with Acute Myocardial Infarction, American College of Cardiology and American Heart Association, Inc., Published by Elsevier Science, Inc., JACC V. 28(5):1328-1348, 1996.
		Sambrook, et al., Molecular Cloning, Cold Spring Harbor Laboratory Press, A Laboratory Manual, 1989.

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----------	-----------------

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+ - New Reference not previously cited (available copies included).

Based on Form PTO-FB-A820

Patent and Trademark Office, U.S. Department of Commerce

(Also form PTO-1449)

		Santell, et al., Cyclic AMP Potentiates Phorbol Ester Stimulation of Tissue Plasminogen Activator Release and Inhibits Secretion of Plasminogen Activator Inhibitor-1 from Human Endothelial Cells, J. of Biological Chemistry, 263(32):16802-16808, Nov. 15, 1988.
		Stokes, System and Method for Genetically Treating Cardiac Conduction Disturbances, USPN Appl. 08/682,277, (P3569 CPA) filed July 17, 1996.
		Stokes, et al., System and Method for Enhancing Cardiac Signal Sensing by Cardiac Pacemakers Through Genetic Treatment, USPN 08/682,433, (P3586) filed July 17, 1996.
		Symes, Therapeutic Angiogenesis for Coronary Artery and Peripheral Vascular Disease, Angiogenesis in Health and Disease, XIX Annual Meeting of ISHR-American Section, 1997.
		Tam, et al., Molecular Cardiomyoplasty: Potential Cardiac Gene Therapy for Chronic Heart Failure, J. Thoracic Cardiovascular Surgery, 109:918-924, 1995.
		Taylor, et al., Delivery of Primary Autologous Skeletal Myoblasts into Rabbit Heart by Coronary Infusion: a Potential Approach to Myocardial Repair, Proceedings of the Association of American Physicians, 109(3):245-253, 1997.
		Vlay, et al., Innovations in the Management of Ischemic Cardiomyopathy, American Heart Journal, :235, 1994.
		von Recum, et al., Macrophage Response to Microtextured Silicone, Biomaterials, 13:1059-1069, 1992.
		von Recum, et al., Texturing of Polymer Surfaces at the Cellular Level, Biomaterials, 12:385-389, 1991.
		von Recumin, et al., Anchorage to Microtextured Surfaces, J. of Biomedical Materials Research, 27:1553-1557, 1993.
		Williams, et al., Introduction of New Genetic Material into Pluripotential Hematopoietic Stem Cells of the Mouse, Nature, 310, 1984.
		Y. van den Eijnden-Schrauwen, et al., Studies on the Acute Release of Tissue-Type Plasminogen Activator from Human Endothelial Cells In Vitro and in Rats In Vivo., The American Society of Hematology, Blood, 85(12):3510-3517, 1995.
		Yanagisawa, et al., The Human Preproendothelin-1 Gene: Possible Regulation by Endothelial Phosphoinositide Turnover Signaling, J. of Cardiovascular Pharmacology, Raven Press Ltd., N.Y., 13(5):S13-S17, 1989.

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